

## EAST Search History

|     |      |   |   |    |     |                  |
|-----|------|---|---|----|-----|------------------|
| S10 | 1    | ("0537998").PN.                                 | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/12/20 18:54 |
| S11 | 8    | "5315085"                                       | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2006/12/20 18:54 |
| S12 | 252  | (378/104,109).CCLS.                             | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/12/20 19:07 |
| S13 | 1352 | (378/104-113).CCLS.                             | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/12/20 19:44 |
| S14 | 244  | S13 and transformer and rectifier               | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2006/12/20 19:13 |
| S15 | 280  | S13 and transfor\$6 and rectif\$6               | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2006/12/20 19:13 |
| S16 | 1    | S13 and (phase with difference with<br>remov\$) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2006/12/20 19:45 |
| S17 | 364  | 378/101   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2006/12/20 19:45 |
| S18 | 1    | 378/101-112                                     | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2006/12/20 19:45 |
| S19 | 1546 | (378/101-112).CCLS.                             | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/12/20 19:45 |
| S20 | 1    | S19 and (phase with difference with<br>remov\$) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2006/12/20 19:48 |
| S21 | 6    | S19 and (unbalance with voltage)                | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2006/12/20 19:49 |

## EAST Search History

|     |   |                                      |   |    |    |                  |
|-----|---|--------------------------------------|---|----|----|------------------|
| S22 | 8 | S19 and (impedance with difference ) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/12/20 19:48 |
|-----|---|--------------------------------------|---|----|----|------------------|

## EAST Search History

| Ref # | Hits | Search Query   | DBs   | Default Operator | Plurals | Time Stamp       |
|-------|------|--|---|------------------|---------|------------------|
| L3    | 111  | (378/105).CCLS.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR               | OFF     | 2006/12/20 21:42 |
| L4    | 358  | (378/109-110).CCLS.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR               | OFF     | 2006/12/20 21:42 |
| S1    | 6    | rectifier and song.xa.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2006/12/07 16:48 |
| S2    | 82   | (378/104).CCLS.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR               | OFF     | 2006/12/07 16:49 |
| S3    | 168  | (378/109).CCLS.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR               | OFF     | 2006/12/07 16:59 |
| S4    | 0    | ("104-113").PN.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR               | OFF     | 2006/12/07 16:59 |
| S5    | 1350 | (378/104-113).CCLS.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR               | OFF     | 2006/12/07 16:59 |
| S6    | 0    | ("Sandtransformerandrectifier").PN.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR               | OFF     | 2006/12/07 17:00 |
| S7    | 242  | S5 and transformer and rectifier   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2006/12/20 19:13 |
| S8    | 3    | "5307998"  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2006/12/20 19:07 |
| S9    | 0    | Inverter and X-ray and tube and balanced and voltages and between and anode and earth and between and cathode and earth and to and prevent and abnormally and high and voltage | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2006/12/20 18:53 |